|   | 10/022,981<br>Examiner   |                 |              |               |              |  |              |                     |          |                 |       |              |          |                 | MCLAIN ET AL.                                     |              |          |           |  |                    |             |                  |          |   |  |          |                   |   |                 |   |
|---|--|-----------------|--------------|---------------|--------------|--|--------------|---------------------|----------|-----------------|-------|--------------|----------|-----------------|---|--------------|----------|-----------|--|--------------------|-------------|------------------|----------|---|--|----------|-------------------|---|-----------------|---|
|   |  |                 |              |               |              |  |              |                     |          |                 |       |              | E        | Examiner        |   |              |          |           |  |                    |             | Art Unit<br>Z614 |          |   |  |          |                   |   |                 |   |
|   |  |                 |              |               |              | Ш  |              |                     | Ш        |                 | Ш     |              |          |                 |   |              |          |           |  |                    |             |                  |          | Σ   | 26                                     | /\       | Ψ                 |   |                 |   |
|   | TENDITALITATIV DOTIV BOTTA TOTAD CITATO ENTRI ENTRI I FINI TINST ENTRI |                 |              |               |              |  |              |                     |          |                 |       |              |          |                 | /lel  | ur Ramakrish |          |           |  | naiah              | aiah        |                  | 264      | <del>                                      </del> |  |          |                   |   |                 |   |
|   |  |                 |              |               |              |  |              |                     |          |                 |       |              |          |                 |   | _            |          |           |  |                    |             | _                |          |   |  |          |                   |   |                 |   |
|   |  | - 1             |              |               |              |  | $\neg$       |                     | Γ        | $\top$          | /Ť    | hrou         | ah n     | ume             | ral   |              | $\neg$   |           | Non-Elected                                      |                    |             | 1                |          | A •   |  |          |                   | 1   |                 |   |
|   | √ Rejected   |                 |              |               |              |  |              |                     |          | (Through numers |       |              |          |                 |   |              | "        |           |  | lon-Ele            | cted        | ted              |          | Appeal  |  | •        | 1                 |   |                 |   |
|   | <del>                                      </del>                      |                 |              |               |              |  |              |                     | F        | 34              |       |              |          |                 |   |              |          |           | <del>                                     </del> |                    |             | -                | Н        |   |  |          | ┪                 |   |                 |   |
|   | = Allowed  |                 |              |               |              |  |              |                     | 1        | + Restricted    |       |              |          |                 |   |              |          | ıl        | Interference                                     |                    |             |                  | 0        | Objected  |  |          |                   | İ   |                 |   |
|   |  |                 | ~            | ^             | 110          | WU   | ٩l           |                     | ľ        |                 |       |              |          |                 |   |              |          | 1         | •  |                    |             |                  | Ш        |   |  |          |                   |   |                 |   |
|   |  | '               |              |               |              |  |              |                     | _        |                 |       |              | •.       |                 |   |              |          |           |  |                    |             |                  |          |   |  |          |                   |   |                 |   |
|   | Clai   | m               |              | $\overline{}$ |              | τ  | ate          | ,                   |          |                 | Claim |              |          |                 | 1   | Date         | •        |           |  | C                  | laim        | 辶                |          |   | ate                                    | <u> </u> |                   | _   |                 |   |
|   |  |                 | Ч            | 6             | 1            |  |              |                     | T        | Т               |       |              | 18       |                 | Ţ   | Ī            |          |           |  |                    |             | =                |          |   | 1                                      |          |                   | 11  |                 |   |
|   | Final  | Ë               | 윘            | $\mathcal{I}$ | ŀ            |  |              |                     | 1        |                 |       | Final        | ji       |                 |   |              | П        |           |  |                    | Final       | 불                |          |   | 1                                      |          | -                 |   | 1               |   |
|   | È  | 뚥               | 귀            | $\tilde{z}$   |              |  |              |                     | ı        |                 |       | Ē            | Original |                 |   | ·            |          |           |  |                    | <u> </u>    | Original         |          |   |  |          | - 1               |   |                 |   |
|   |  | Original        | ~            | Ø             | Ц            |  |              | 4                   | 4        | ╨               |       | L            |          | _               | _   | ╄            | Н        | $\sqcup$  |  | HH                 | <b>-</b>    | 101              | +        | -   | ╂                                      | Н        | -                 | ╫   | $\dashv$        |   |
| • | igsquare   |                 | 丰            | £             | Ш            | $\vdash$   |              | -                   | ╀        | -               |       | <u> </u>     | 51<br>52 | -               | +   | ╀            | Н        | -         | _  | ╀╢                 |             | 102              | ╁┤       | +   | +                                      | Н        | -+                | +   | Н               |   |
|   |  | 2               | y            | $\mathbf{H}$  | $\vdash$     | Н  | $\dashv$     |                     | ╁        | +-              |       | <del> </del> | 53       | $\dashv$        | +   | ╁            | Н        | $\forall$ | _  | HH                 |             | 103              |          |   | +                                      | Н        | $\dashv$          | 11  | П               |   |
|   | -  | 3               | *            |               | $\vdash$     | Н  | H            | +                   | +        | ╅┥              |       |              | 54       | -               | ╁   | +            |          |           |  |                    |             | 104              | $\vdash$ |   | $\top$                                 | П        | $\neg \uparrow$   | $\top$  | П               |   |
| ' | ┝╌╬  | 5               | 7            | $\mathbf{H}$  | $\vdash$     | Н  | М            | +                   | 十        | _               |       | <b></b>      | 55       | _               | 十   | †-           | Г        |           |  |                    |             | 105              |          |   |  |          |                   |   |                 |   |
|   |  | <b>6</b>        | 三            | 1             | М            | H  | $\Box$       | T                   | †        |                 |       |              | 56       |                 | 1   |              |          |           |  |                    |             | 106              | $\Box$   |   |  |          |                   | $\perp$   |                 |   |
|   |  | 7               |              |               |              |  |              |                     | T        |                 |       |              | 57_      |                 | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | 工            |          |           |  | Ш                  |             | 107              |          |   | $\perp$                                |          | _                 | 1   | Н               |   |
|   |  | 8               |              | $\mathbf{L}$  |              |  |              |                     | Ι        |                 |       |              | 58       |                 | ┸   | ↓_           | Щ        |           |  | $\sqcup \sqcup$    | <b>    </b> | 108              |          |   | -                                      | Н        | $\vdash$          | +   | Н               |   |
|   |  | 6               | Ш            |               |              |  | Щ            | $\perp$             | 4        |                 |       | <u> </u>     | 59       | $\perp$         | +   | ↓_           | $\vdash$ | $\dashv$  |  |                    | <b>-</b>    | 109              |          |   | ╀                                      | Н        | +                 | +-  | Н               |   |
|   |  | <u> </u>        | Ш            | 1             |              | Щ  | Щ            | +                   | +        | +               |       |              | 60<br>61 | $\vdash$        | +   | ╁            | ⊢        | $\dashv$  |  | HH                 | ⊪-          | 110<br>111       |          | +   | +                                      | Н        | $\dashv$          | +   | Н               |   |
|   |  | 11<br>12        | Н            | +             | $\leftarrow$ | Н  | Н            | +                   | ╁        | +               |       | <u> </u>     | 62       |                 | ╁   | ╁            | ١.       | $\vdash$  | -  | +++                | ⊪           | 112              |          | +   | ┿                                      | Н        | $\dashv$          | +   | Н               |   |
|   | $\vdash$   | 13              | V            |               | -            | Н  | Н            | $\dashv$            | +        | +               |       |              | 63       | +               | +-  | +            | H        | H         | ┢  |                    |             | 113              | †        |   | +-                                     |          | $\top \top$       | $\top$  | П               |   |
|   |  | 14              | *=           | •             | H            | H  | Н            |                     | ✝        | +               |       |              | 64       |                 | +   | $\top$       |          | М         |  |                    |             | 114              |          |   |  |          |                   |   |                 |   |
|   |  | 15              | П            |               |              |  | Н            | _                   | 1        | _               |       |              | 65       |                 | $\perp$   |              |          |           |  |                    |             | 115              |          |   | Ţ_                                     |          |                   | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | П               |   |
|   |  | 16              |              |               |              |  |              |                     | I        |                 |       |              | 66       |                 |   | L            | L        |           |  |                    | <b>II</b> _ | 116              |          |   | ╀-                                     | Ш        | _                 |   | Н               |   |
|   |  | 17              |              |               |              |  | Ш            | 4                   | 4        |                 |       | <u> </u>     | 67       | 4               | _   | 1            |          | Н         | L  | 1-1-1              | ⊪–          | 117              | ┿        | -   | +                                      | $\vdash$ | $\vdash$          | +-  | Н               |   |
|   | <b>├</b> ──┼   | 18              | $oxed{oxed}$ | Щ             | <u> </u>     | Н  | Н            | $\vdash +$          | +        |                 |       | <u> </u>     | 68<br>69 | $\vdash$        | +   | ╄            | ⊢        | $\vdash$  | ⊢  | ++                 | ⊪           | 118<br>119       |          | -   | +                                      | Н        | $\vdash$          | +   | Н               |   |
|   | $\vdash$   | 19<br>20        | H            | $\vdash$      | -            | H  | Н            |                     | +        | +               |       |              | 70       | $\vdash \vdash$ | +   | ╁            | ╁╌       | Н         | <del> -</del>                                    | + +                | ⊪           | 120              | +        | $\vdash$  | +-                                     | Н        | $\vdash \uparrow$ | +   | Н               |   |
|   | $\vdash$   | 21              | ┝            | $\vdash$      | ⊢            | -  | Н            | $\vdash$            | ╁        | +               |       |              | 71       | H               | +   | 十            | 十        | Н         | $\vdash$   |                    |             | 121              |          | 1   | 1-                                     | П        | $\vdash$          | 1   | П               |   |
|   |  | 22              | $\vdash$     | $\vdash$      | ┢            | ┪  | Н            |                     | +        | +               |       |              | 72       | $\vdash$        |   | T            | ┢        |           |  |                    |             | 122              |          |   |  |          |                   |   |                 | • |
|   |  | 23              |              |               |              |  |              |                     |          |                 |       |              | 73       |                 | $\perp$   | oxdot        | $\Box$   |           |  |                    |             | 123              | L        | $\sqcup \bot$                                     | _                                      | igspace  | $\vdash \vdash$   | _   | Ц               |   |
|   |  | 24              |              |               |              |  |              |                     | $\perp$  |                 |       |              | 74       |                 | Ţ   | _            | ╙        | Ш         | <u> </u>   |                    | <b>—</b>    | 124              |          | ╙   | 4-                                     | -        | ┝                 |   | Н               |   |
|   |  | 25              | <u> </u>     | _             | ╙            | L  | Ш            | $\perp$             | 4        | 4               |       | <b> </b> -   | 75       | $\vdash$        | +   | ╂-           | -        | Н         | -  | ╂╌╂╼╣              | <b>-</b>    | 125<br>126       | +        | ┝┼  | ╀╌                                     | $\vdash$ | ₩                 | +   | Н               |   |
|   |  | 26              | <u> </u>     | <u> </u>      | ⊢            | _  | Н            |                     | -        |                 |       | <b></b>      | 76<br>77 | $\vdash \vdash$ | +   | ╀            | ╁┈       | Н         | ⊢  | ╂╌╂╼╢              | -           | 127              | +        | $\vdash$  | ╁                                      | $\vdash$ | $\vdash$          | +   | Н               |   |
|   | ┝╌┼  | 27<br>28        |              | $\vdash$      | ├            | ├  | Н            | $\vdash$            | +        | ┿               |       | <del> </del> | 78       | ⊢┼              | ╁   | ╫            | ┢        | Н         | ┝  | <del>       </del> | -           | 128              |          | H   | ╁                                      |          | $\vdash$          | +   | H               |   |
|   |  | <u>20</u><br>29 | H            | ┝             | ╁╌           | $\vdash$   | Н            | $\vdash \vdash$     | +        | +               |       | $\vdash$     | 79       | H               | ╅   | +            | $\vdash$ | Н         | Н  | $\Box$             |             | 129              |          | $\Box$  | $\top$                                 | T        | H                 | 1   | П               |   |
|   | $\vdash$   | 30              | <u> </u>     | Н             | $\vdash$     | <del> </del>                                     | $\vdash$     | $\vdash$            | +        | +               |       |              | 80       |                 | _   | _            | İ        | П         |  |                    |             | 130              |          |   | I                                      |          |                   |   | 口               |   |
|   |  | 31              |              | Г             |              | Г  |              |                     | _        |                 |       |              | 81       |                 |   | I            |          |           |  |                    |             | 131              |          |   | Ļ                                      | L        | Ш                 | 4   | Ш               |   |
|   |  | 32              |              |               |              |  |              | $\Box$              | $\Box$   |                 |       |              | 82       | П               | $\perp$   | $\perp$      |          | Ш         | Ĺ  | lacksquare         | <u> </u>    | 132              |          |   | $\bot$                                 | ↓_       | $\vdash \vdash$   | -   | Н               |   |
|   |  | 33              | 匚            | $\Box$        | Ĺ            | Ĺ  |              | Щ                   | $\bot$   | $\perp$         |       |              | 83       | Ш               | $\bot$  | 4            | ↓_       | $\sqcup$  | <b> </b>   | +                  | <b></b>     | 133              |          | $\vdash$  | +                                      | 1        | $\vdash \vdash$   |   | Н               |   |
|   |  | 34              | _            | L             | L            | ┞  | ┦            | $\vdash \downarrow$ | 4        | -               |       | <u> </u>     | 84       | $\vdash$        | +   | ╀            | ╁        | $\vdash$  | -  | ╀┼┤                | -           | 134<br>135       |          | ╁╌┼╴  | +                                      | $\vdash$ | $\vdash \vdash$   | +-  | ╁┤              |   |
|   |  | 35              | ⊢            | ⊢             | ┡            | $\vdash$   | <del> </del> | $\vdash \vdash$     | +        | +               |       | -            | 85<br>86 | ⊢⊦              | +   | ╀            | ╀        | $\vdash$  | -  | ┾┼┤                | <b>-</b>    | 136              |          | ╁╼┼╸  | ┿                                      | +-       | ┢                 | +   | ┥               |   |
|   |  | 36<br>37        | -            | ╁             | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$            | +        | +               |       | -            | 87       | $\vdash$        | +   | +            | ╁        | Н         | t  | +                  | -           | 137              |          | $\vdash$  | +                                      | 1        | П                 | 1   | М               |   |
|   |  | 38              | $\vdash$     | $\vdash$      | $\vdash$     | <del>                                     </del> |              | $\vdash \vdash$     | +        | $\dashv$        |       |              | 88       | $\sqcap$        | +   | +            | 1        | П         | T  | +                  |             | 138              |          |   | I                                      |          |                   |   |                 |   |
|   |  | 39              | Т            | $\vdash$      | T            | T  | T            | $\vdash$ †          | +        | 十               |       |              | 89       |                 | _   |              | I        |           |  |                    |             | 139              |          |   | I                                      |          |                   |   | 口               |   |
|   |  | 40              | Γ            |               | I            |  |              |                     | J        |                 |       |              | 90       |                 | $\perp$   | Ι            | $\Box$   | $\Box$    | L  |                    |             | 140              |          |   |  |          | Ш                 | _   | Ш               |   |
|   |  | 41              |              |               |              | L  |              | $\Box$              | $\Box$   | $\perp$         |       |              | 91       | П               | $\perp$   | $\perp$      | 匚        | Ш         | Ĺ  | $\bot$             |             | 141              |          | $\sqcup$  | +                                      | ╄        | $\sqcup$          |   | $\vdash \vdash$ |   |
|   |  | 42              | 匚            | Ĺ             | $\Box$       | Ĺ  |              | Ц                   | 4        |                 |       | <u> </u>     | 92       | Н               | $\perp$   | $\bot$       | ╄        | <b> </b>  | <u> </u>   | ╁┼┤                | <b>   </b>  | 142              |          | ₩   | +                                      | ⊬        | ╌┤                | +-  | ↤               |   |
|   | $\sqcup$   | 43              | L            | L             | $\vdash$     | ⊢  | ├-           | $\vdash \downarrow$ | 4        | -               |       | <u> </u>     | 93       | ₩               | +   | +            | ╀        | $\vdash$  | ⊬  | ++-1               | <b>-</b>    | 143              |          | ╁┼  | +                                      | $\vdash$ | ⊢┼                | +   | $\vdash$        |   |
|   | $\vdash \vdash$  | 44              | $\vdash$     | $\vdash$      | <del> </del> | +  | ⊢            | $\vdash \vdash$     | 4        | +               |       | -            | 94<br>95 | $\vdash$        | +   | +-           | +        | $\vdash$  | ⊢  | ╀┤                 | -           | 144              |          | ++  | +                                      | +        | $\vdash \vdash$   | +   | H               |   |
|   | <del>     </del>   | 45<br>46        | ⊢            | $\vdash$      | +            | $\vdash$   | $\vdash$     | <del>   </del>      | $\dashv$ | +               | ₩     | -            | 96       | H               | +   | +            | +        | $\vdash$  | +  | ╅╅┩                |             | 146              |          | $\vdash$  | +-                                     | T        | $\vdash$          | $\top$  | Н               |   |
|   |  | 47              | -            | $\vdash$      | $\vdash$     | ╁  | ╁╴           | -                   | $\dashv$ | +               | ऻऻ    |              | 97       | H               | $\dashv$  | +            | +        | т         | H  | ++-                |             | 147              |          | 1   | 十                                      | 1        | $\sqcap$          | _   | М               |   |
|   | -  | 48              | H            | $\vdash$      | $\vdash$     | †  | t            | $\vdash \uparrow$   | +        | .               |       | 1            | 98       |                 | _†  |              |          | Г         |  |                    |             | 148              |          | $\Box$  |  |          |                   |   |                 |   |
|   |  | 49              | Γ            |               | Γ            | Γ  |              |                     | ╗        |                 |       |              | 99       |                 | $\perp$   | $\perp$      |          |           | $\Box$   | $\Box\Box$         |             | 149              | T I      | $\Box$  | 工                                      | oxdot    | $\Box$            | $\bot$  | П               |   |
|   |  | 50              |              |               |              | oxdot  | $\Box$       |                     | _[       | $\Box$          |       |              | 100      | $\Box$          | $\bot$  |              |          |           |  |                    |             | 150              | 1        | ᆚ   | ــــــــــــــــــــــــــــــــــــــ | <u> </u> |                   |   | Ш               |   |
|   |  |                 |              |               |              |  |              |                     |          |                 |       |              |          |                 |   |              |          |           |  |                    |             |                  |          |   |  |          |                   |   |                 |   |

Application No.

Index of Claims

Applicant(s)